• glazing compounds
• caulking compounds
• curtain wall compounds
• putties and sealers

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specify DAP

DICKS - ARMSTRONG - PONTIUS, INC.
general offices • Dayton, Ohio

WORLD'S LARGEST EXCLUSIVE MANUFACTURERS OF PUTTIES • GLAZING • CAULKING • SEALING COMPOUNDS

PRODUCTS AND APPLICATIONS

PRODUCT / APPLICATION	Curtain Wall Panel Joint Sealing—Metal	Curtain Wall Panel Raw Edge Stripping	Curtain Wall Panel Sealing	Caulking joints and seams—wood, metal, masonry	Sealing joints in siding—asbestos, metal, etc.	Setting Insulating Glass	Chanel or Stop Glazing (Wood or Metal)	Glazing Steel Sash—Interior	Glazing Steel Sash—Exterior	Glazing Aluminum Sash	Glazing of Bronze or Galvanized Bonderized Steel Sash	Glazing Wood Sash—Primed	Glazing Wood Sash—Unprimed
DAP Rubber Based Compound	●	●	●	●	●	●	●						
DAP 1231 Mastic Glazing Compound			●			●	●						
DAP Twin-T-Mastic Tape				●		●	●						
DAP Twin-T-Mastic				●	●	●	●						
DAP Caulking Compound				●	●								
DAP Caulking Compound—Black Tite				●	●								
DAP 1012 Glazing Compound								●	●	●	●		
DAP Metal Glaze								●	●				
DAP Armglaze Type M												●	●
DAP Steel Sash Putty								●	●				
DAP Casement Putty								●	●				
DAP Pure Linseed Oil Putty												●	
DAP White Lead Putty												●	

A.I.A. File No. 26-B-2

The Dicks-Armstrong-Pontius, Inc., with its 150 years of combined skills, resources and experience, offers to the construction industry a complete line of quality sealing and glazing compounds.

In these products, performance for curtain wall sealing has received particular attention, as well as general glazing problems and conventional caulking needs.

Architects and Engineers can specify DAP Products with complete confidence that the product will not only perform for them as expected, but also that DAP, Inc. stands ready to assist them in any or all problems of sealing.

DAP exercises rigid production control over all materials, to assure those who specify or use our products a uniform, well balanced product for top performance as an effective seal.

DAP maintains outside weather testing racks in Florida, California and the Mid-West to further assure quality performance to all areas.
DAP offers quick, efficient service from nine (9) regional branches to quickly take care of the needs of our users.
DAP Products scheduled on the front cover application chart and described in this brochure, can be specified with complete confidence of performance.
DAP invites inquiries for additional information on our products and especially as to use of our service regarding recommendations for particular jobs. DICKS-ARMSTRONG-PONTIUS, INC., GENERAL OFFICES, DAYTON, OHIO

DAP FOR CAULKING COMPOUNDS

Dap Gun Grade Caulking Compound. Highest quality raw materials, blended to provide a protective, air-tight water-tight joint between wood, metal or masonry. Will not harden, crack, shrink, sag, chip, peel or crumble. Not damaged by vibration, reasonable structural movements or weather changes. Will not bleed, stain, or discolor most building materials. Will meet Federal, State and Municipal uses. Available in Brilliant White, White, Gray and aluminum pigmented. Available in cartridges and all standard containers. Conforms to Federal Specification TT-C-598, Grade I.

DAP Knife Grade Caulking Compound. Same fine quality, and with all the superior performance characteristics as DAP Gun Grade, produced in knife grade consistency. Applies easily. *Meets Federal Specification TT-C-598, Grade II.*

(*Architect shall insert name of type compound required.)

DAP Black-Tite Caulking Compound. Another exceptional product from DAP research and experience. A tough black Caulking Compound, asphalt base. Adheres tightly and permanently to any dry surface. Will not sag, bleed or pull away. Can be used where conventional compounds could not perform under extreme vibration, expansion, contraction, heat or cold. Has outstanding weathering ability and can be used not only for conventional caulking, but for a permanently weather-tight seal in conjunction with flashings or roof repair as well. Black-Tite is available in cartridges or all standard bulk containers and can readily be covered with two coats of any oil based paint after it has set. Will not burn, bleed or stain through. Conforms to Federal Specification SS-C-153, Type I.

DAP Flexiseal Rubber-Based Compounds. A superior caulking compound for construction work of all types. With Balanced Modulus Control, adhesion is greater than cohesion, assuring superior seal under most severe conditions.

Specifications

Caulking Compounds. All areas indicated by architectural drawings requiring sealing by caulking material, shall be filled within one-half inch of surface with Oakum or tarred rope. Surfaces should be clean and dry. Apply DAP Quality Caulking Compound as manufactured by Dicks-Armstrong-Pontius, Inc. To increase long life expectancy, the painting of caulking compound after protective skin has formed, is recommended, except where DAP Flexiseal Rubber-Based Compound is used.

DAP FOR WOOD SASH GLAZING

DAP Armglaze Type M is a scientifically formulated and proven compound for the glazing of primed or unprimed wood sash, as well as sash treated with water-repellent toxic solutions.

The Elastic properties of Armglaze Type M withstands the rough handling and shipment of mill glazed sash soon after glazing, without sagging or losing its bond.

The accepted and recognized fact of Armglaze Type M superiority makes this material available from practically any Wood Sash Manufacturer or Jobber throughout the country.

DAP Pure Linseed Oil Putty For Primed Wood Sash. Highest quality, 100% pure linseed oil; imported pigments and driers. Hard setting, will not crack, sag, chalk or bleed. Must be painted when surface sets, or within four weeks. Meets Federal Specification TT-P-781A, Type I.

DAP White Lead Putty. For use where highest quality work and stone hardness are desired. Contains 100% Linseed Oil with 5% to 10% (or any specified percentage) of white lead. Will not crack, sag, chalk or bleed. Putty must be painted when surface sets, or within four weeks. 10% White Lead Putty meets Federal Specification TT-P-791A, Type II.

Specifications

*Note: Architect shall select type material required for wood sash putty from one of the paragraphs below numbered *1, *2 and *3.

*1 All glazing compound for wood sash shall be DAP ARMGLAZE—TYPE M as manufactured by Dicks-Armstrong-Pontius, Inc. for *primed* or *unprimed* wood sash, mill or job glazed.

*2 All putty for wood sash shall be DAP—PURE LINSEED OIL PUTTY for *primed* wood sash.

*3 All putty for wood sash shall be DAP WHITE LEAD PUTTY for *primed* wood sash. (Percentage of white lead desired should be noted.)

Sash shall be dry and clean, and putty shall be thoroughly mixed and applied by expert glaziers in a neat, smooth and workmanlike manner. All sash and putty shall be given the protection of 2 coats of paint, extending to and touching the glass. Paint putty immediately after it is set, or within 4 weeks after installation.

DAP FOR CURTAIN WALL CONSTRUCTION

DAP Flexiseal Rubber-Based Compound (THIOKOL*). Consists of a Polysulphide Base Compound and Accelerator 10-2-1 mix by weight. Formulated for Balanced Modulus to give greater adhesion than cohesion, to insure peak performance for extreme expansion, contraction and resistance to weather. Designed to use by hand or pressure gun. Sets in 4 to 12 hours—cures in 24 to 48 hours, depending upon temperature and humidity.
Full cure of Flexiseal presents a rubber-like consistency, making Flexiseal an ideal sealant for curtain wall construction. Formulated with THIOKOL* liquid Polymer base, a truly remarkable pigmented compound, sets to a rubber-like consistency when accelerator is added.
Write to DAP, Inc. for a complete technical catalog.
*Trade mark of THIOKOL Chemical Corporation.

Specifications

Recommended Glazing Procedure. All glazing materials are to be used as a sealant against weather and in no case can be a load-bearing material. Proper use of Setting and Spacing Blocks on large glass units or panels must be used to prevent excessive movement and permit a full seal around the glass or panel.

On small lites, proper use of glazing clips to hold glass secure in sash is necessary. For best results all bedding should be ⅛" thick as a MINIMUM between the glass or panels and sash.

Contractor for Curtain wall construction shall seal all vertical and horizontal joints with DAP Flexiseal Rubber Based Compound, manufactured by Dicks-Armstrong-Pontius, Inc.

Apply compound using an approved caulking gun to all panel joints as indicated on the curtain wall details and wall sections. All metal or other materials to receive DAP Flexiseal Rubber Based Compound shall be dry and clean to insure perfect adhesion.

Install the compound in strict accordance with the manufacturer's printed instructions.

DAP Mastic Glazing Compound 1231 for Channel Glazing or Stop Glazing. A special product for setting glass and panels in channel or stop glazed sash. Developed by DAP, Inc. research and experience, as a superior compound containing a high content of non-drying resins to give greater adhesion and cohesion necessary for today's construction sealing.
Adheres to metal, glass, porcelain, wood and most building materials.
Will not bleed, sag, crack or become hard, but remains pliable to absorb the flexing, expansion, contraction and resistance to weather.
Can be applied by knife or pressure gun.
1231 for channel or stop glazing only. Not recommended for face glazing.
Excellent for the setting of twindow or thermopane. Also, as a bedding material for all settings.
Forms its own tough, durable surface skin for weather resistance.
WRITE FOR TECHNICAL DATA INFORMATION.

Specifications:

Scope of Applications

(Architect shall itemize required applications from the following:)
For stop-glazed Wood sash; —channel or stop-glazed Metal sash; —Bedding for Insulating glass; —Curtain Wall Panel Sealing.
All sash and glass, curtain wall panels, etc., shall be clean and dry.
Apply DAP Mastic glazing compound 1231, as manufactured by Dicks-Armstrong-Pontius, Inc.
Compound shall be applied as delivered in manufacturers sealed container by experienced glaziers in accordance with the best glazing practice.

Consult us on special glazing or sealing problems.

DAP FOR METAL SASH GLAZING

DAP Metal Glaze for interior and exterior glazing of steel sash. A glazing compound which provides exceptional service in extreme conditions of moisture or vibration. Sets up quickly, firmly—remains *elastic.*

DAP Steel Sash Putty—for glazing steel sash, primarily interior use, will not crack or bleed and should be protected by two coats of paint, extending to and touching glass within four weeks after application or after putty has properly set.

DAP Casement Putty—formulated particularly for outside glazing of steel sash. Fast setting and highly durable to withstand outside exposure. This putty must be painted within four weeks after application, or after putty has properly set.

DAP—1012 Aluminum Gray Glazing Compound. 1012 Compound for aluminum sash face glazing, either exterior or interior use. Does not require painting and matches aluminum sash perfectly. Adheres tightly to sash and glass and retains flexibility to resist vibration, shock, moisture, heat and cold. Will not crack, chip or powder.

1012 Glazing Compound can be used with equal success on steel sash, hot dipped, bonderized, galvanized steel sash, stainless steel or bronze sash.
For channel or stop glazing, see No. 1231 Mastic.
1012 Aluminum Glazing Compound fully conforms to new interim Federal Specification TT-G-00410, which is based on a performance requirement.

Specifications:

Architect shall select product to be specified from the following as each applies to type required from paragraphs *A *B *C & *D.
*A All glazing compound for Interior and Exterior glazing of steel sash shall be DAP Metal Glaze as manufactured by the Dicks-Armstrong-Pontius, Inc. Compound shall be thoroughly mixed and applied without the addition of any other materials.
*B All steel sash putty for interior glazing shall be DAP Steel Sash Putty as manufactured by Dicks-Armstrong-Pontius, Inc. Thoroughly mix and install putty as it comes from the container. However, a small amount of volatile may be added if thinner consistency is desired.
*C All putty for outside glazed steel sash shall be DAP Casement Putty as manufactured by the Dicks-Armstrong-Pontius, Inc. Putty can be applied as it comes from the container or a small amount of volatile can be added.
*(*Note: Compound 1012 can be substituted for the products specified for "A", "B", or "C" above.*)
All sash and putty shall be given the protection of 2 coats of paint, extending to and touching the glass. Paint putty immediately after it has set but no longer than 4 weeks after glazing.
*D All glazing material for aluminum sash shall be DAP Aluminum gray glazing compound No. 1012. Compound shall be thoroughly mixed and applied without the addition of any other materials.

DAP TWIN-T-MASTIC EXTRUSIONS

DAP Twin-T-Mastic Tape. Available and extruded in various widths and thicknesses and packaged in rolls for fast, easy application. For sealing raw edges of insulated panels and curtain wall construction, setting insulating glass and large area plate glass in wood or metal sash where stops are employed. Particularly adaptable for mill glazed units. High content of non-oxidizing, non-drying resins. Twin-T Mastic Tape retains its elasticity under extreme exposure—won't crack, harden, bleed or sag. Provides a permanent water-tight and weather-tight seal when used as a gasket material which is held in place by continuous mechanical pressure.

Write DAP, Inc. for recommendations concerning special applications where particular consistencies or formulations are required for mastic extruded tapes.

Specifications:

DAP Twin-T-Mastic Tape

All "stop type" shop-glazed sash, where pressure can be applied, shall be set and sealed using DAP Twin-T-Mastic Tape as manufactured by Dicks-Armstrong-Pontius, Inc. Sash shall be clean and dry.

Prior to setting the glass, firmly press the tape in place along the fixed stop. Overlap all joints in the tape at least ½".

Set and block the glass in place, then apply a second strip of Twin-T-Mastic tape to either the glass or the removable stop, overlapped at the corners; press stops in place to insure seal before final fastening. Trim off excess tape to provide a finished installation.

DAP FEDERAL SPECIFICATION PUTTIES AND COMPOUNDS

Caulking Compound

Federal Specification TT-C-598, Grade I
(Gun grade)
Federal Specification TT-C-598, Grade II
(Knife grade)

Metal Sash

Interim Federal Specification TT-G-00410.
(An elastic glazing compound for interior and exterior glazing)
Federal Specification TT-P-781-A, Type II
(A metal sash putty for interior and exterior glazing)

Wood Sash

Federal Specification Putty TT-P-791-A, Type I
(A pure linseed oil and whiting putty)
Federal Specification Putty TT-P-791-A, Type II
(A pure linseed oil, whiting, and 10% white lead putty)

DAP OTHER PRODUCTS

In addition to the products described in this bulletin, Dicks-Armstrong-Pontius, Inc. also manufactures a number of other products for special applications. Following are some of these:

Bedding Compounds

Boiler Putties

Bowl Setting Compounds

Chlorine Putty

Coach Sealing Compounds

Core Putty

Kwik-Seal Bath Tub and Tile Sealer

Painters' White Putties

Plumbers' Putty

33 Elastic Glazing Compound

SPECIAL PRODUCTS

We have complete, modern facilities for developing special compounds to meet special requirements. Write our general offices if we can help you solve any glazing, sealing, or caulking problem.

DAP RECENT INSTALLATIONS

Metropolitan Life Ins. Co. Housing Projects, New York, N.Y.

Alcoa Building, Pittsburgh, Pennsylvania

Fulton National Bank Building, Atlanta, Georgia

Ternstedt Div. of General Motors Addition, Columbus, Ohio

Prince Georges General Hospital, Washington, D.C.

Rosedale Apartment Hotel, Memphis, Tennessee

Commerce Building, Washington, D.C.

State Office Building, Pittsburgh, Pennsylvania

North Carolina State Fair Arena, Raleigh, North Carolina

Shamrock Hotel, Houston, Texas

Stonestown Development, San Francisco, California

DAP

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Chicago, Illinois • Dallas, Texas • Richmond, California • Xenia, Ohio

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